

Arizona State Forestry Division

Wildland Fire Communications

- * State of Arizona Cabinet Level agency.... Formerly known as State Fire, or State Lands
- * Responsible for wildland fire protection on 22 million acres of State and Unincorporated Private Lands within Arizona
- * We train, equip and organize firefighting forces, including assisting over 250 Volunteer, Rural, & local Fire Departments
- * Manage and Maintain specialized wildland firefighting apparatus including coordination of up to 15 20-person Inmate wildland firefighting crews through the Arizona Department of Corrections
- * ASFD has distributed over \$6 Million Federal dollars under programs such as; Rural Community Fire Protection Grant monies and within the last 5 years, many communications related equipment projects
- * Other Programs; Manage a statewide aviation program including training and equipping interagency efforts with the AZDPS and Arizona Army National Guard.











* Arizona State Forestry Division-Who we are....

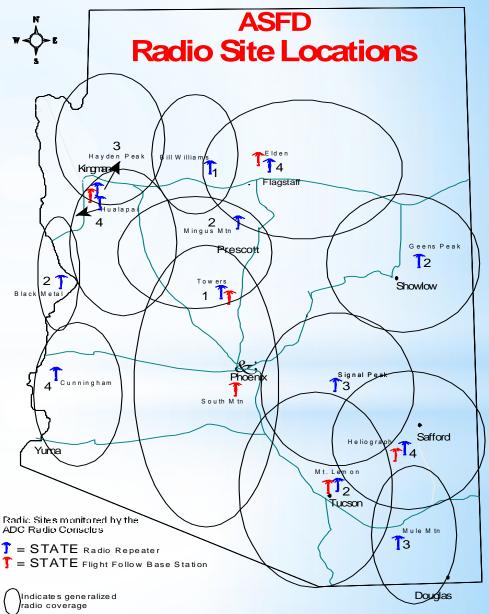
- * 20 Mountaintop radio sites
- * 10 statewide radio frequencies
- * Statewide Fire Network
- * Statewide Flight Following Network
- * Statewide Interagency Wildland Dispatch & Coordination Center
- * AZDPS Microwave backbone





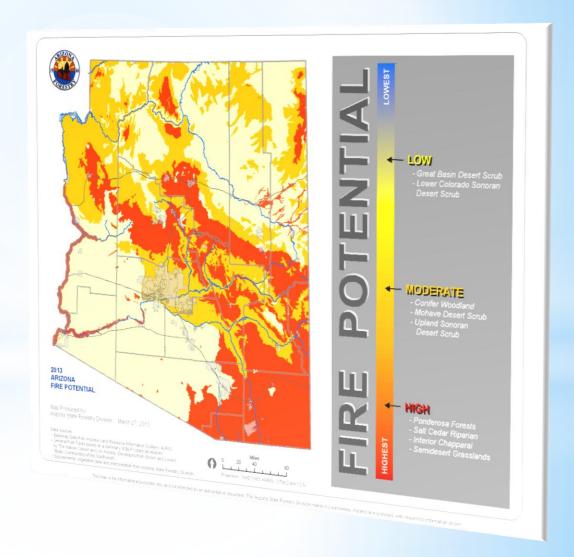


*Arizona State
Forestry
Radio System



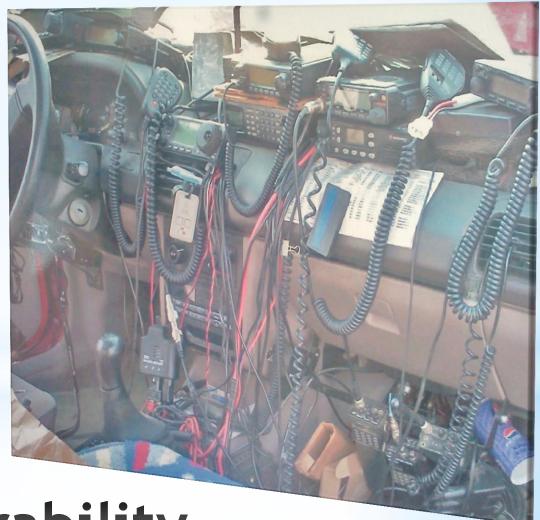
* Statewide General Fire Season Forecast for 2013

- * Similar to last year's fire season, the concern for higher wildfire potential will generally be above our 3000 foot elevations.
- * Sonoran Deserts in Maricopa, Pinal, and Yavapai Counties may show a moderate increase in fire potential this year as compared to the last few years due to a increase in annual grass production. March snows have pushed off the start of fire season in the higher elevations by a few weeks, but remaining snowpack is rapidly diminishing.
- * Any further precipitation received this spring will be helpful in delaying the start of fire season, but current National Climate Center predictions show below average precipitation probabilities for April.
- * What does this mean???? Hot & Dry



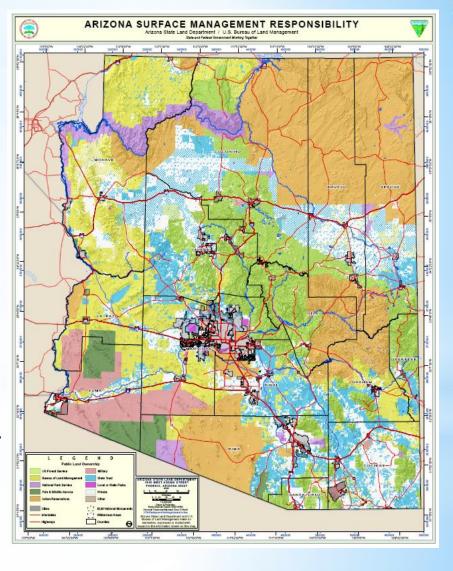
*Fire Season Outlook

* Because Wildland fire does not follow boundaries..... We encounter many incidents that prove to be Interoperability Challenges primarily due to vast amount of multiple jurisdictions and wildland emergency response agencies that could be involved within wildland fire incidents



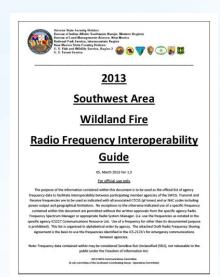
Interoperability Challenges

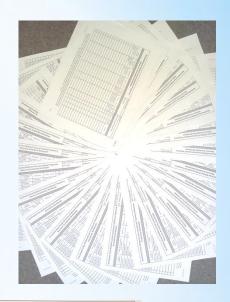
- * Wildland Fire occurs within all jurisdictions including;
- * County, City and local governments, Fire Districts
- * Arizona State Lands
- * Bureau of Land Management
- * US National Forests
- * National Park Service
- * Bureau of Indian Affairs
- * US Fish & Wildlife Service
- * Most wildfires occurring within Arizona are interagency and require the assistance of interagency partners
- * So, how do we communicate amongst ourselves.....



*Interagency Partners

- * Use of existing wildland fire agency radio systems....
- * Early season radio programing of interagency partner frequencies
- * Documentation of authorized frequencies ICS217A's
- * 46 pages of ICS217A's for Southwest
- * Document control very important
- * Ensure that proper Radio Frequency Authorizations RFA's are completed





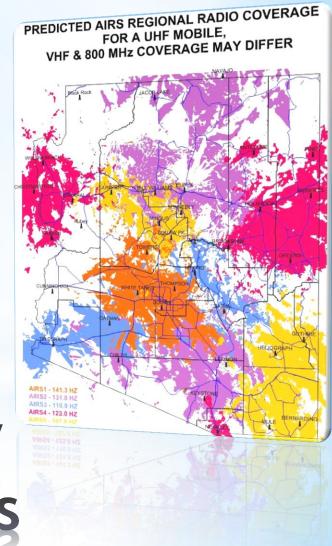
	Wildland Fire Communications Frequency Resource Availability Worksheet					VHF / October 2012				Arizona State Forestry Division	
	Channel Configuration	Channel Name/Trunked Redio System- Talkgroup	Eligible Users	SX Freq Nor W	GTCSS/TeneNAC	TX Freq Nor W	CTCSE/Tone/NAC	Mode A. D or M	FCC Call Sign	Max ERP Walls	Remarks
1	Repeater	ASFD RPT 1	Fire	151.4000 (N)	162.2	159.4050 (N)	162.2	A		50	
2	Repeater.	ASFD RPT 2	Fire	151.4150 (N)	123.0	159.4350 (N)	123.0	A		50	
3	Repeater	ASFD RPT 3	FRE	151:4150 (N)	162.2	159.4350 (N)	162.2	Α.		50	
4	Repeater	ASFD RPT 4	Fire	151.4000 (N)	123.5	159.4050 (N)	123.0	Α		50	
5	Tactical	ASFD Tac 1	Fire	159 3300 (N)	131.6	159,3300 (N)	131.6	A		50	
6	Tactcal	ASFD Tac 2	Fire	159.4500 (N)	123.0	159,4500 (N)	123.0	A		50	
7	Tactcal	ASFD Tac 3	Fire	159:2400 (N)	173.6	159.2400 (N)	173,8	Α.		50	
ă.	Tactical	ASFD Toc 4	Fire	159,2850 (N)	151.4	159 2550 (N)	151,4	A		50	
9	Tactical	ASFD Tec 5	Fire	159 3450 (N)	192 8	159.3450 (N)	192.6	A		50	
10	Tactical	State Flight Follow	Fire	154.9350 (N)	.0	154,9350 (N)	110.0	٨		50	
			100								
								-	-		
					al place, followed by			arthur Th	- francis	ACT IS A SERVIN	y or wide hand
-	he convention of Mode refers to eli	als for frequency is ther "A" or "D" indic	its to show four di ating analog or di	gits after the deciri: gital (e.g. Project 25	or "M" indicating mis portable radi	red mode). As char	neis are shown as	f program	nmed if	a control st	ation, mobile or

Southwest Wildland Fire Communications

* AIRS- Suites and VTACS are an invaluable asset for interagency interoperability needs on interagency wildland fire incidents

* NIFOG- National Interoperability Field Operations Guide





- * Other communications resources available Wildland Incident use
- * http://wwwlnifc.gov/NIICD/docum ents

National Incident Radio Support Cache User's Guide



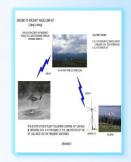
CDO Phone (208) 387-5644
Toll Free (877) 775-3451
FAX (208) 387-5892

April 2013 NFES 000968

*Other Resources-NIICD- Radio Cache's

- * UHF Repeater kits
- * VHF Command Repeater kits
- * Portable Radio kits
- * Remote radio Link kits
- * Tactical repeater kits
- * Aircraft base radio kits
- * Etc....















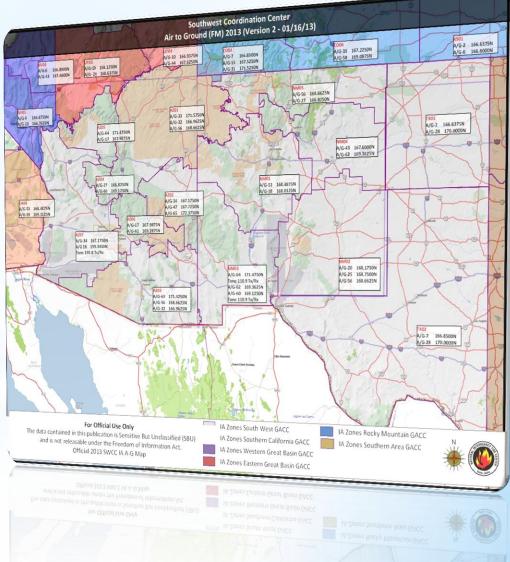




- * VFIRE 21- Fire Mutual Aid use other resources- VTAC's, ASFD Tac's....
- * Aviation Assets- use of frequencies while airborne....Air-to-Ground Frequencies Recognize the need-first responders to have capability on A-G
- * Air-to-Air Frequencies awareness of these frequencies







*Other Challenges

Questions, Comments, Suggestions.....

Thank You.

Arizona State Forestry
Division - Communications
Section

Dale Brown- Manager 602-319-1232 dalebrown@azsf.gov